



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 11901456
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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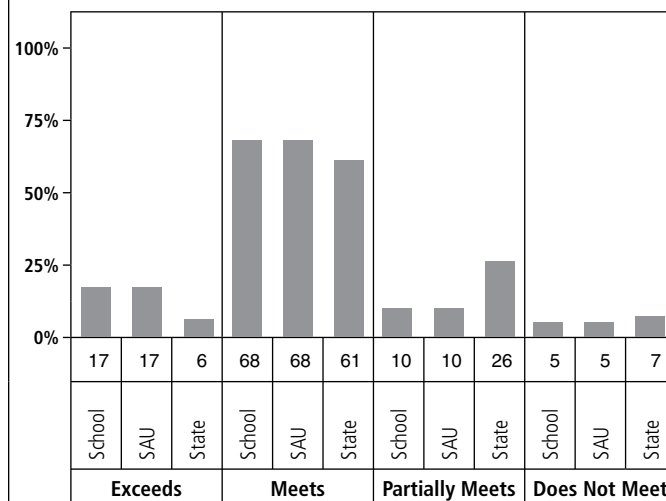
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

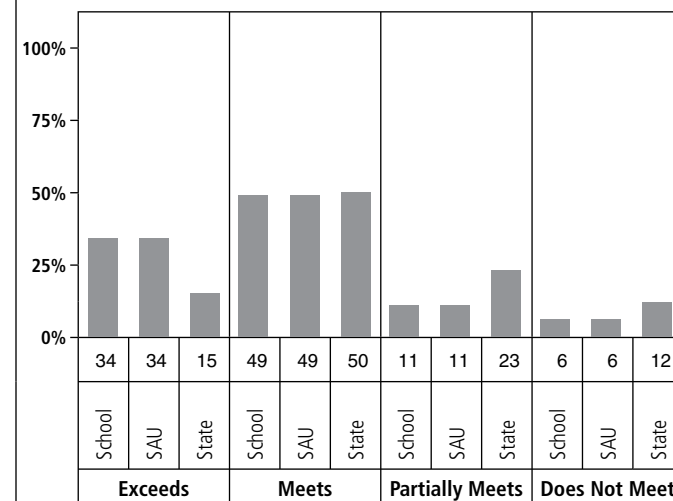
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	553	553	544
2007–2008	547	547	545
2008–2009	551	551	546
Cum. Avg.*	550	550	545
Mathematics			
2006–2007	553	553	546
2007–2008	550	550	546
2008–2009	554	554	547
Cum. Avg.*	552	552	546
Science			
2008–2009 **	547	547	543

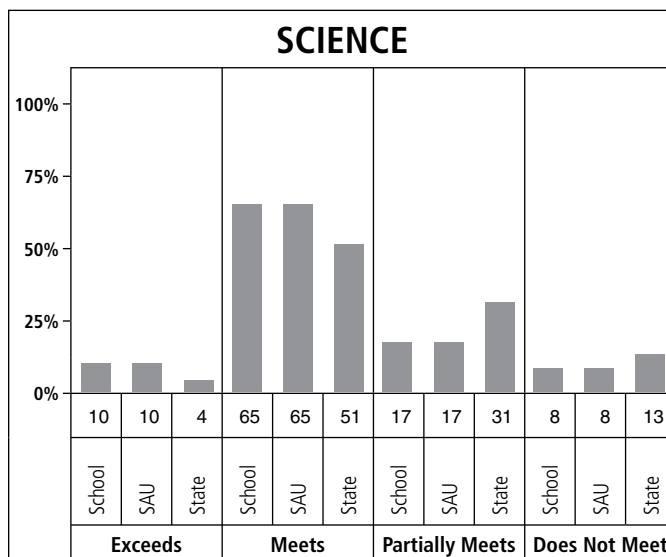
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	111	100	111	100	14212	100	111	100	111	100	14135	100	111	100	111	100	14144	100	111	100	111	100	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	1	1	1	1	259	2	1	100	1	100	253	98	1	100	1	100	258	100	1	100	1	100	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	110	99	110	99	13271	93	110	100	110	100	13212	100	110	100	110	100	13211	100	110	100	110	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	14	13	14	13	2479	17	14	100	14	100	2454	100	14	100	14	100	2455	100	14	100	14	100	2451	99
Current LEP	2	2	2	2	374	3	2	100	2	100	359	96	2	100	2	100	370	99	2	100	2	100	366	98
Economically disadvantaged	5	5	5	5	5848	41	5	100	5	100	5815	100	5	100	5	100	5819	100	5	100	5	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	98	88	98	88	10849	76	98	88	98	88	10872	76	98	88	98	88	10976	77
Identified disability (PET/IEP)	3	3	3	3	298	3	3	3	3	3	307	3	3	3	3	3	338	3
LEP	1	1	1	1	170	2	1	1	1	1	169	2	1	1	1	1	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	13	12	13	12	3122	22	13	12	13	12	3124	22	13	12	13	12	3019	21
Identified disability (PET/IEP)	11	85	11	85	1992	64	11	85	11	85	2000	64	11	85	11	85	1971	65
LEP	1	8	1	8	184	6	1	8	1	8	196	6	1	8	1	8	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	2	15	2	15	907	29	2	15	2	15	886	28	2	15	2	15	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	23	22	23	22	702	5
	2007-2008	12	11	12	11	659	5
	2008-2009	19	17	19	17	836	6
	Cum. Total*	54	17	54	17	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	67	65	67	65	7730	55
	2007-2008	70	62	70	62	8195	58
	2008-2009	75	68	75	68	8495	61
	Cum. Total*	212	65	212	65	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	7	7	7	7	4182	30
	2007-2008	24	21	24	21	3800	27
	2008-2009	11	10	11	10	3667	26
	Cum. Total*	42	13	42	13	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	6	6	6	6	1419	10
	2007-2008	7	6	7	6	1362	10
	2008-2009	6	5	6	5	973	7
	Cum. Total*	19	6	19	6	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	34.3	71.5	34.3	71.5	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	17.3	72.1	17.3	72.1	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	17.0	70.8	17.0	70.8	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Yarmouth Schools
 School: Frank H Harrison Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	111	19	17	75	68	11	10	6	5	551	111	17	68	10	5	551	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	1										1						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	110	19	17	75	68	11	10	5	5	552	110	17	68	10	5	552	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	14	1	7	2	14	5	36	6	43	535	14	7	14	36	43	535	2290	0	29	47	23	537
No	97	18	19	73	75	6	6	0	0	554	97	19	75	6	0	554	11681	7	67	22	4	548
Current LEP																						
Yes	2										2						354	1	35	34	30	538
No	109	19	17	74	68	11	10	5	5	552	109	17	68	10	5	552	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	5	0	0	4	80	0	0	1	20	542	5	0	80	0	20	542	5716	2	51	35	12	542
No	106	19	18	71	67	11	10	5	5	552	106	18	67	10	5	552	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	111	19	17	75	68	11	10	6	5	551	111	17	68	10	5	551	13963	6	61	26	7	546
Gender																						
Female	54	11	20	35	65	4	7	4	7	551	54	20	65	7	7	551	6882	8	62	24	6	547
Male	57	8	14	40	70	7	12	2	4	552	57	14	70	12	4	552	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1914	1	41	44	14	540
No	111	19	17	75	68	11	10	6	5	551	111	17	68	10	5	551	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	111	19	17	75	68	11	10	6	5	551	111	17	68	10	5	551	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Yarmouth Schools
 School: Frank H Harrison Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	4	0	0	1	25	0	0	3	75	532	4	0	25	0	75	532	4	2	40	34	24	540
B. less than one hour	69	16	21	53	69	6	8	2	3	553	69	21	69	8	3	553	70	6	63	26	6	546
C. one to two hours	25	2	7	20	71	5	18	1	4	549	25	7	71	18	4	549	24	7	61	26	6	546
D. more than two hours	2	1	50	1	50	0	0	0	0	562	2	50	50	0	0	562	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	45	9	18	39	78	2	4	0	0	556	45	18	78	4	0	556	36	10	67	18	5	549
B. good	41	8	18	29	64	6	13	2	4	550	41	18	64	13	4	550	47	5	62	27	6	546
C. fair	14	2	13	7	44	3	19	4	25	542	14	13	44	19	25	542	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	31	4	12	26	76	3	9	1	3	552	31	12	76	9	3	552	31	9	65	20	5	548
B. They match some of what I have learned.	61	13	19	45	66	7	10	3	4	551	61	19	66	10	4	551	55	5	63	27	5	546
C. They match just a little of what I have learned.	5	2	33	3	50	1	17	0	0	557	5	33	50	17	0	557	10	3	45	38	14	542
D. There is no match.	3	0	0	1	33	0	0	2	67	536	3	0	33	0	67	536	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	15	2	12	10	59	3	18	2	12	550	15	12	59	18	12	550	16	3	49	32	15	542
B. about the same as my regular schoolwork	69	15	19	51	66	7	9	4	5	551	69	19	66	9	5	551	64	7	63	25	5	547
C. easier than my regular schoolwork	15	2	12	14	82	1	6	0	0	553	15	12	82	6	0	553	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	9	1	10	3	30	2	20	4	40	539	9	10	30	20	40	539	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	45	6	12	38	76	5	10	1	2	550	45	12	76	10	2	550	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	45	12	24	34	68	3	6	1	2	556	45	24	68	6	2	556	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	28	7	23	24	77	0	0	0	0	557	28	23	77	0	0	557	20	10	64	21	5	548
B. 20 minutes to an hour	64	12	17	46	65	8	11	5	7	550	64	17	65	11	7	550	56	7	65	24	5	547
C. less than 20 minutes	7	0	0	5	63	3	38	0	0	545	7	0	63	38	0	545	10	3	52	33	12	543
D. I rarely read at home.	1	0	0	0	0	0	0	1	100	526	1	0	0	0	100	526	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	17	3	17	10	56	4	22	1	6	551	17	17	56	22	6	551	25	3	53	33	11	543
B. six to ten pages	14	2	13	11	73	0	0	2	13	550	14	13	73	0	13	550	26	6	61	26	7	546
C. eleven or more pages	69	13	17	53	71	6	8	3	4	552	69	17	71	8	4	552	49	8	65	23	5	547
Optional school/SAU question																						
A.	100	0	0	1	100	0	0	0	0	554	100	0	100	0	0	554						
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	23	22	23	22	1711	12
	2007-2008	21	19	21	19	1617	12
	2008-2009	38	34	38	34	2119	15
	Cum. Total*	82	25	82	25	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	61	59	61	59	6778	48
	2007-2008	60	54	60	54	7284	52
	2008-2009	54	49	54	49	7046	50
	Cum. Total*	175	54	175	54	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	12	12	12	12	3884	28
	2007-2008	23	21	23	21	3341	24
	2008-2009	12	11	12	11	3193	23
	Cum. Total*	47	14	47	14	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	7	7	7	7	1683	12
	2007-2008	8	7	8	7	1778	13
	2008-2009	7	6	7	6	1638	12
	Cum. Total*	22	7	22	7	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	30.5	63.5	30.5	63.5	25.5	53.1
A. Number	18	38	12.5	69.4	12.5	69.4	9.8	54.4
B. Data	10	21	5.9	59.0	5.9	59.0	5.2	52.0
C. Geometry	10	21	5.4	54.0	5.4	54.0	4.7	47.0
D. Algebra	10	21	6.7	67.0	6.7	67.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Yarmouth Schools
 School: Frank H Harrison Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	111	38	34	54	49	12	11	7	6	554	111	34	49	11	6	554	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	1										1						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	110	38	35	54	49	12	11	6	5	555	110	35	49	11	5	555	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	14	0	0	3	21	5	36	6	43	531	14	0	21	36	43	531	2307	3	32	32	33	536
No	97	38	39	51	53	7	7	1	1	558	97	39	53	7	1	558	11689	17	54	21	8	549
Current LEP																						
Yes	2										2						365	5	33	30	32	536
No	109	37	34	54	50	12	11	6	6	555	109	34	50	11	6	555	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	5	1	20	2	40	0	0	2	40	541	5	20	40	0	40	541	5731	7	46	29	18	542
No	106	37	35	52	49	12	11	5	5	555	106	35	49	11	5	555	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	111	38	34	54	49	12	11	7	6	554	111	34	49	11	6	554	13988	15	50	23	12	547
Gender																						
Female	54	20	37	23	43	7	13	4	7	553	54	37	43	13	7	553	6889	14	51	23	12	546
Male	57	18	32	31	54	5	9	3	5	556	57	32	54	9	5	556	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1918	3	39	36	22	539
No	111	38	34	54	49	12	11	7	6	554	111	34	49	11	6	554	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	111	38	34	54	49	12	11	7	6	554	111	34	49	11	6	554	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	4	0	0	1	25	0	0	3	75	531	4	0	25	0	75	531	4	8	38	26	28	539
B. less than one hour	69	31	40	39	51	4	5	3	4	557	69	40	51	5	4	557	70	15	52	23	10	547
C. one to two hours	25	6	21	14	50	7	25	1	4	550	25	21	50	25	4	550	24	15	51	23	11	547
D. more than two hours	2	1	50	0	0	1	50	0	0	560	2	50	0	50	0	560	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	34	21	57	11	30	2	5	3	8	560	34	57	30	5	8	560	34	28	50	14	8	552
B. good	49	15	28	33	61	4	7	2	4	554	49	28	61	7	4	554	45	11	54	24	10	546
C. fair	16	1	6	10	56	5	28	2	11	545	16	6	56	28	11	545	18	3	45	33	19	540
D. poor	1	0	0	0	0	1	100	0	0	534	1	0	0	100	0	534	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	48	26	49	24	45	2	4	1	2	560	48	49	45	4	2	560	38	22	52	19	7	550
B. They match some of what I have learned.	47	10	19	28	54	9	17	5	10	550	47	19	54	17	10	550	48	12	53	24	11	546
C. They match just a little of what I have learned.	5	2	40	2	40	0	0	1	20	557	5	40	40	0	20	557	11	6	40	30	24	540
D. There is no match.	1	0	0	0	0	1	100	0	0	534	1	0	0	100	0	534	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	4	1	25	1	25	1	25	1	25	547	4	25	25	25	25	547	17	7	42	30	21	540
B. about the same as my regular schoolwork	69	26	34	40	52	8	10	3	4	555	69	34	52	10	4	555	64	15	53	23	10	547
C. easier than my regular schoolwork	27	11	37	13	43	3	10	3	10	555	27	37	43	10	10	555	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	2	1	50	0	0	0	0	1	50	545	2	50	0	0	50	545	7	6	39	27	27	539
B. 30–45 minutes	21	6	26	13	57	3	13	1	4	553	21	26	57	13	4	553	28	9	49	28	15	544
C. 45–60 minutes	60	27	41	29	44	7	11	3	5	556	60	41	44	11	5	556	41	17	53	21	9	548
D. more than 60 minutes	17	4	21	11	58	2	11	2	11	551	17	21	58	11	11	551	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	8	3	33	4	44	1	11	1	11	555	8	33	44	11	11	555	6	14	43	24	20	543
B. two or three days a week	51	21	38	27	48	5	9	3	5	555	51	38	48	9	5	555	24	17	52	21	10	548
C. two or three times each month	26	10	34	17	59	2	7	0	0	558	26	34	59	7	0	558	33	17	52	21	9	548
D. never or almost never	15	4	25	5	31	4	25	3	19	547	15	25	31	25	19	547	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	16	3	17	8	44	2	11	5	28	546	16	17	44	11	28	546	23	13	47	26	15	545
B. two or three days a week	49	22	41	27	50	4	7	1	2	557	49	41	50	7	2	557	31	17	52	21	10	548
C. two or three times each month	25	10	37	13	48	3	11	1	4	556	25	37	48	11	4	556	27	17	52	21	10	548
D. never or almost never	10	3	27	5	45	3	27	0	0	553	10	27	45	27	0	553	20	12	50	24	14	545
Optional school/SAU question																						
A.	100	1	100	0	0	0	0	0	0	562	100	100	0	0	0	562						
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Yarmouth Schools
School: Frank H Harrison Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	11	10	11	10	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	72	65	72	65	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	19	17	19	17	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	9	8	9	8	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	31.6	65.8	31.6	65.8	29.2	60.8
D. The Physical Setting	24	50	14.1	58.8	14.1	58.8	12.9	53.8
E. The Living Environment	24	50	17.4	72.5	17.4	72.5	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Yarmouth Schools
 School: Frank H Harrison Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	111	11	10	72	65	19	17	9	8	547	111	10	65	17	8	547	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	1										1						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	110	11	10	72	65	19	17	8	7	547	110	10	65	17	7	547	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	14	0	0	3	21	2	14	9	64	527	14	0	21	14	64	527	2309	2	29	39	29	536
No	97	11	11	69	71	17	18	0	0	550	97	11	71	18	0	550	11686	5	56	30	10	545
Current LEP																						
Yes	2										2						361	1	23	32	44	533
No	109	11	10	71	65	19	17	8	7	547	109	10	65	17	7	547	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	5	0	0	4	80	0	0	1	20	539	5	0	80	0	20	539	5729	2	42	37	20	539
No	106	11	10	68	64	19	18	8	8	547	106	10	64	18	8	547	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	111	11	10	72	65	19	17	9	8	547	111	10	65	17	8	547	13987	4	51	31	13	543
Gender																						
Female	54	2	4	33	61	14	26	5	9	544	54	4	61	26	9	544	6886	4	49	33	14	542
Male	57	9	16	39	68	5	9	4	7	550	57	16	68	9	7	550	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1917	1	31	41	28	536
No	111	11	10	72	65	19	17	9	8	547	111	10	65	17	8	547	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	111	11	10	72	65	19	17	9	8	547	111	10	65	17	8	547	13545	4	51	32	13	543

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SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Yarmouth Schools
 School: Frank H Harrison Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	4	0	0	1	25	0	0	3	75	525	4	0	25	0	75	525	4	2	37	35	25	538
B. less than one hour	69	8	10	55	71	10	13	4	5	550	69	10	71	13	5	550	70	4	53	31	12	544
C. one to two hours	25	2	7	16	57	8	29	2	7	543	25	7	57	29	7	543	24	5	51	31	12	544
D. more than two hours	2	1	50	0	0	1	50	0	0	550	2	50	0	50	0	550	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	13	1	7	9	64	3	21	1	7	546	13	7	64	21	7	546	26	7	56	26	11	545
B. good	62	7	10	47	69	10	15	4	6	548	62	10	69	15	6	548	53	4	53	31	11	544
C. fair	22	2	8	13	54	5	21	4	17	543	22	8	54	21	17	543	18	2	41	39	17	540
D. poor	4	1	25	3	75	0	0	0	0	557	4	25	75	0	0	557	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	11	2	17	8	67	2	17	0	0	551	11	17	67	17	0	551	23	5	56	28	11	544
B. They match some of what I have learned.	40	2	5	30	68	8	18	4	9	546	40	5	68	18	9	546	48	5	52	31	12	544
C. They match just a little of what I have learned.	33	4	11	24	67	6	17	2	6	548	33	11	67	17	6	548	23	4	49	33	14	543
D. There is no match.	16	3	17	10	56	2	11	3	17	546	16	17	56	11	17	546	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	38	9	22	24	59	5	12	3	7	550	38	22	59	12	7	550	23	5	48	31	16	543
B. about the same as my regular schoolwork	52	2	4	38	67	11	19	6	11	545	52	4	67	19	11	545	58	4	52	32	12	543
C. easier than my regular schoolwork	10	0	0	9	82	2	18	0	0	549	10	0	82	18	0	549	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	4	0	0	4	100	0	0	0	0	551	4	0	100	0	0	551	33	5	51	31	14	543
B. a few times a week	13	1	7	9	64	3	21	1	7	545	13	7	64	21	7	545	45	4	52	32	11	544
C. once a week	8	1	11	5	56	1	11	2	22	546	8	11	56	11	22	546	8	4	50	30	16	542
D. a few times a month	75	9	11	54	66	14	17	5	6	548	75	11	66	17	6	548	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	10	0	0	6	55	2	18	3	27	538	10	0	55	18	27	538	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	35	4	11	23	62	7	19	3	8	548	35	11	62	19	8	548	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	17	2	11	10	56	6	33	0	0	547	17	11	56	33	0	547	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	38	5	12	32	78	3	7	1	2	551	38	12	78	7	2	551	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	26	3	11	20	71	2	7	3	11	549	26	11	71	7	11	549	47	4	51	32	12	543
B. a few times a month	27	3	10	17	59	9	31	0	0	549	27	10	59	31	0	549	27	5	54	30	11	544
C. once a month	19	1	5	18	86	2	10	0	0	550	19	5	86	10	0	550	10	5	49	30	15	543
D. never or almost never	28	3	10	17	57	5	17	5	17	542	28	10	57	17	17	542	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	18	0	0	14	74	2	11	3	16	545	18	0	74	11	16	545	46	4	52	32	12	543
B. a few times a month	32	1	3	22	65	10	29	1	3	547	32	3	65	29	3	547	28	5	53	30	12	544
C. once a month	25	4	15	19	73	2	8	1	4	551	25	15	73	8	4	551	11	4	47	34	15	542
D. never or almost never	25	5	19	16	59	3	11	3	11	547	25	19	59	11	11	547	15	4	50	30	16	542
Optional school/SAU question																						
A.	100	1	100	0	0	0	0	0	0	564	100	100	0	0	0	564						
B.	0										0											
C.	0										0											
D.	0										0											

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 N = Number